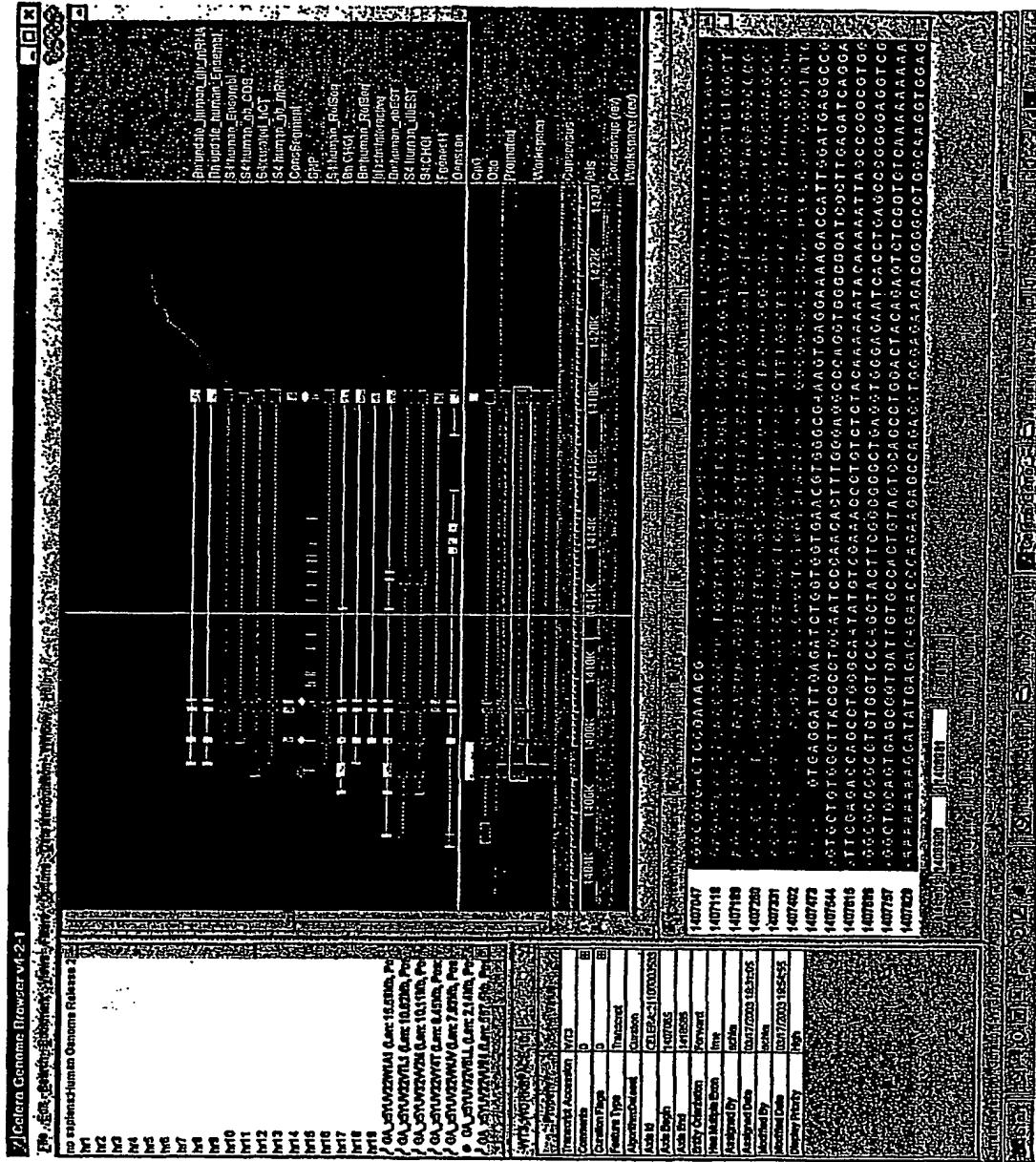


Alignment of celera DKKL1 transcript with novel splice variants

Fig 1



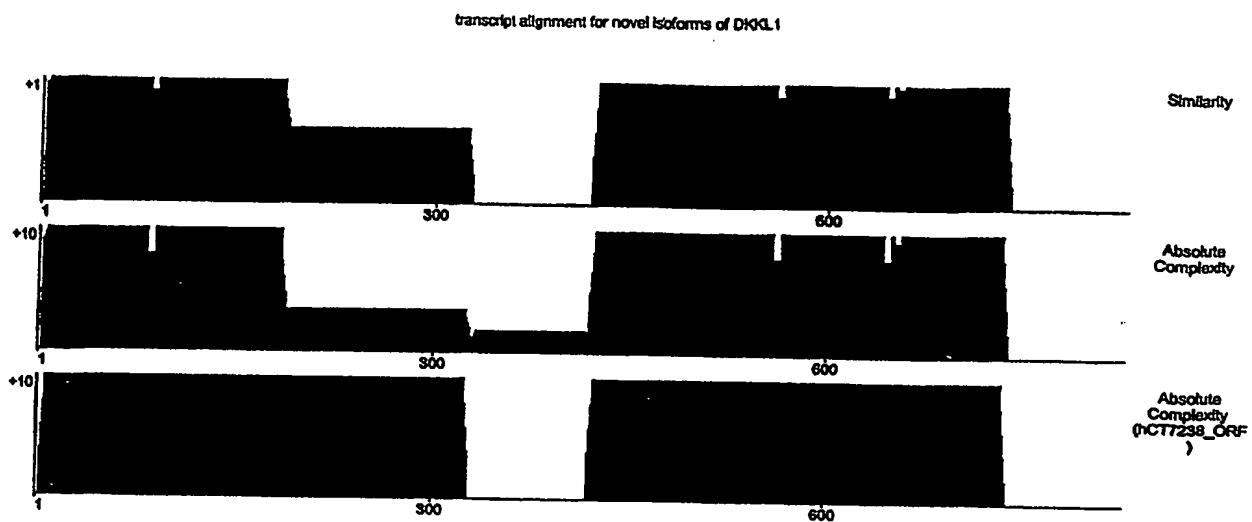


FIG. 2

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transcript alignment for novel isoforms of DKKL1

		1	10	20	30	40	50	64
hCT7238 ORF	(1)	-----ATGGGAGAAGCTTGGAACTTCCTCCCGCAAGGCGCATGCTGCCTGCTC						
sgrs0379-stop	(1)	-----ATGGGAGAAGCTTGGAACTTCCTCCCGCAAGGCGCATGCTGCCTGCTC						
clone-379-R6	(1)	-----ATGGGAGAAGCTTGGAACTTCCTCCCGCAAGGCGCATGCTGCCTGCTC						
clone-379-R7	(1)	-----ATGGGAGAAGCTTGGAACTTCCTCCCGCAAGGCGCATGCTGCCTGCTC						
clone-379-R3	(1)	-----ATGGGAGAAGCTTGGAACTTCCTCCCGCAAGGCGCATGCTGCCTGCTC						
clone-379-RS2	(1)	-----ATGGGAGAAGCTTGGAACTTCCTCCCGCAAGGCGCATGCTGCCTGCTC						
clone 379-R8	(1)	-----ATGGGAGAAGCTTGGAACTTCCTCCCGCAAGGCGCATGCTGCCTGCTC						
clone-379-RS3	(1)	-----ATGGGAGAAGCTTGGAACTTCCTCCCGCAAGGCGCATGCTGCCTGCTC						
clone-379 R4	(1)	-----ATGGGAGAAGCTTGGAACTTCCTCCCGCAAGGCGCATGCTGCCTGCTC						
clone-379-R5	(1)	-----ATGGGAGAAGCTTGGAACTTCCTCCCGCAAGGCGCATGCTGCCTGCTC						
clone-379-R2	(1)	-----ATGGGAGAAGCTTGGAACTTCCTCCCGCAAGGCGCATGCTGCCTGCTC						
clone-379-RS7	(1)	-----ATGGGAGAAGCTTGGAACTTCCTCCCGCAAGGCGCATGCTGCCTGCTC						
clone-379-RS4	(1)	-----ATGGGAGAAGCTTGGAACTTCCTCCCGCAAGGCGCATGCTGCCTGCTC						
Section 2								
hCT7238 ORF	(65)	65	70	80	90	100	110	128
sgrs0379-stop	(61)	-----ATGGGAGAAGCTTGGAACTTCCTCCCGCAAGGCGCATGCTGCCTGCTC						
clone-379-R6	(65)	-----ATGGGAGAAGCTTGGAACTTCCTCCCGCAAGGCGCATGCTGCCTGCTC						
clone 379-R7	(65)	-----ATGGGAGAAGCTTGGAACTTCCTCCCGCAAGGCGCATGCTGCCTGCTC						
clone-379-R3	(65)	-----ATGGGAGAAGCTTGGAACTTCCTCCCGCAAGGCGCATGCTGCCTGCTC						
clone-379-RS2	(65)	-----ATGGGAGAAGCTTGGAACTTCCTCCCGCAAGGCGCATGCTGCCTGCTC						
clone 379-R8	(65)	-----ATGGGAGAAGCTTGGAACTTCCTCCCGCAAGGCGCATGCTGCCTGCTC						
clone-379-RS3	(65)	-----ATGGGAGAAGCTTGGAACTTCCTCCCGCAAGGCGCATGCTGCCTGCTC						
clone-379 R4	(65)	-----ATGGGAGAAGCTTGGAACTTCCTCCCGCAAGGCGCATGCTGCCTGCTC						
clone-379-R5	(65)	-----ATGGGAGAAGCTTGGAACTTCCTCCCGCAAGGCGCATGCTGCCTGCTC						
clone-379-R2	(65)	-----ATGGGAGAAGCTTGGAACTTCCTCCCGCAAGGCGCATGCTGCCTGCTC						
clone-379-RS7	(65)	-----ATGGGAGAAGCTTGGAACTTCCTCCCGCAAGGCGCATGCTGCCTGCTC						
clone-379-RS4	(65)	-----ATGGGAGAAGCTTGGAACTTCCTCCCGCAAGGCGCATGCTGCCTGCTC						
Section 3								
hCT7238 ORF	(129)	129	140	150	160	170	180	192
sgrs0379-stop	(129)	-----ATGGGAGAAGCTTGGAACTTCCTCCCGCAAGGCGCATGCTGCCTGCTC						
clone-379-R6	(129)	-----ATGGGAGAAGCTTGGAACTTCCTCCCGCAAGGCGCATGCTGCCTGCTC						
clone 379-R7	(129)	-----ATGGGAGAAGCTTGGAACTTCCTCCCGCAAGGCGCATGCTGCCTGCTC						
clone-379-R3	(129)	-----ATGGGAGAAGCTTGGAACTTCCTCCCGCAAGGCGCATGCTGCCTGCTC						
clone-379-RS2	(129)	-----ATGGGAGAAGCTTGGAACTTCCTCCCGCAAGGCGCATGCTGCCTGCTC						
clone 379-R8	(129)	-----ATGGGAGAAGCTTGGAACTTCCTCCCGCAAGGCGCATGCTGCCTGCTC						
clone-379-RS3	(129)	-----ATGGGAGAAGCTTGGAACTTCCTCCCGCAAGGCGCATGCTGCCTGCTC						
clone-379 R4	(129)	-----ATGGGAGAAGCTTGGAACTTCCTCCCGCAAGGCGCATGCTGCCTGCTC						
clone-379-R5	(129)	-----ATGGGAGAAGCTTGGAACTTCCTCCCGCAAGGCGCATGCTGCCTGCTC						
clone-379-R2	(129)	-----ATGGGAGAAGCTTGGAACTTCCTCCCGCAAGGCGCATGCTGCCTGCTC						
clone-379-RS7	(129)	-----ATGGGAGAAGCTTGGAACTTCCTCCCGCAAGGCGCATGCTGCCTGCTC						
clone-379-RS4	(129)	-----ATGGGAGAAGCTTGGAACTTCCTCCCGCAAGGCGCATGCTGCCTGCTC						

FIG. 3A

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transcript alignment for novel isoforms of DKKL1

		193	200	210	220	230	240	Section 4
hCT7238 ORF (189)	(193)							256
sgrs0379-stop	(193)							
clone-379-R6	(193)							
clone 379-R7	(193)							
clone-379-R3	(193)							
clone-379-RS2	(193)							
clone 379-R8	(193)							
clone-379-RS3	(193)							
clone-379 R4	(189)							
clone-379-R5	(189)							
clone-379-R2	(189)							
clone-379-RS7	(189)							
clone-379-RS4	(189)							
		257	270	280	290	300	310	Section 5
hCT7238 ORF (253)	(257)							320
sgrs0379-stop	(257)							
clone-379-R6	(257)							
clone 379-R7	(257)							
clone-379-R3	(257)							
clone-379-RS2	(257)							
clone 379-R8	(257)							
clone-379-RS3	(257)							
clone-379 R4	(189)							
clone-379-R5	(189)							
clone-379-R2	(189)							
clone-379-RS7	(189)							
clone-379-RS4	(189)							
		321	330	340	350	360	370	Section 6
hCT7238 ORF (317)	(321)							384
sgrs0379-stop	(321)							
clone-379-R6	(321)							
clone 379-R7	(321)							
clone-379-R3	(321)							
clone-379-RS2	(321)							
clone 379-R8	(321)							
clone-379-RS3	(321)							
clone-379 R4	(189)							
clone-379-R5	(189)							
clone-379-R2	(189)							
clone-379-RS7	(189)							
clone-379-RS4	(189)							

FIG. 3B

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transcript alignment for novel isoforms of DKKL1

	(385)	385	390	400	410	420	430	448	Section 7	
hCT7238 ORF (381)	TCAACCAGCGGAGGGGAGCTTCGAGGGTGATTGAAGG									
sgrs0379-stop (385)	TCAACCAGCGGAGGGGAGCTTCGAGGGTGATTGAAGG									
clone-379-R6 (385)	TCAACCAGCGGAGGGGAGCTTCGAGGGTGATTGAAGG									
clone 379-R7 (385)	TCAACCAGCGGAGGGGAGCTTCGAGGGTGATTGAAGG									
clone-379-R3 (385)	TCAACCAGCGGAGGGGAGCTTCGAGGGTGATTGAAGG									
clone-379-RS2 (385)	TCAACCAGCGGAGGGGAGCTTCGAGGGTGATTGAAGG									
clone 379-R8 (330)	-									
clone-379-RS3 (330)	-									
clone-379 R4 (189)	-									
clone-379-R5 (189)	-									
clone-379-R2 (189)	-									
clone-379-RS7 (189)	-									
clone-379-RS4 (189)	-									
	(449)	449		460	470	480	490	500	512	Section 8
hCT7238 ORF (445)	TCAACCAGCGGAGGGGAGCTTCGAGGGTGATTGAAGG									
sgrs0379-stop (449)	TCAACCAGCGGAGGGGAGCTTCGAGGGTGATTGAAGG									
clone-379-R6 (449)	TCAACCAGCGGAGGGGAGCTTCGAGGGTGATTGAAGG									
clone 379-R7 (449)	TCAACCAGCGGAGGGGAGCTTCGAGGGTGATTGAAGG									
clone-379-R3 (449)	TCAACCAGCGGAGGGGAGCTTCGAGGGTGATTGAAGG									
clone-379-RS2 (449)	TCAACCAGCGGAGGGGAGCTTCGAGGGTGATTGAAGG									
clone 379-R8 (356)	-									
clone-379-RS3 (356)	-									
clone-379 R4 (215)	-									
clone-379-R5 (215)	-									
clone-379-R2 (215)	-									
clone-379-RS7 (215)	-									
clone-379-RS4 (215)	-									
	(513)	513	520	530	540	550	560	576	Section 9	
hCT7238 ORF (509)	TCAACCAGCGGAGGGGAGCTTCGAGGGTGATTGAAGG									
sgrs0379-stop (513)	TCAACCAGCGGAGGGGAGCTTCGAGGGTGATTGAAGG									
clone-379-R6 (513)	TCAACCAGCGGAGGGGAGCTTCGAGGGTGATTGAAGG									
clone 379-R7 (513)	TCAACCAGCGGAGGGGAGCTTCGAGGGTGATTGAAGG									
clone-379-R3 (513)	TCAACCAGCGGAGGGGAGCTTCGAGGGTGATTGAAGG									
clone-379-RS2 (513)	TCAACCAGCGGAGGGGAGCTTCGAGGGTGATTGAAGG									
clone 379-R8 (420)	-									
clone-379-RS3 (420)	-									
clone-379 R4 (279)	-									
clone-379-R5 (279)	-									
clone-379-R2 (279)	-									
clone-379-RS7 (279)	-									
clone-379-RS4 (279)	-									

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FIG. 3C

transcript alignment for novel isoforms of DKKL1

	(577)	577	590	600	810	620	630	Section 10 640
hCT7238 ORF (573)		CGAGAAGCGACACCGCTTGCAAGGAAATGGGAACTGGGATGGGGCTTGGGATGAAAGTC						
sgrs0379-stop (577)		CGAGAAGCGACACCGCTTGCAAGGAAATGGGAACTGGGATGGGGCTTGGGATGAAAGTC						
clone-379-R6 (577)		CGAGAAGCGACACCGCTTGCAAGGAAATGGGAACTGGGATGGGGCTTGGGATGAAAGTC						
clone 379-R7 (577)		CGAGAAGCGACACCGCTTGCAAGGAAATGGGAACTGGGATGGGGCTTGGGATGAAAGTC						
clone-379-R3 (577)		CGAGAAGCGACACCGCTTGCAAGGAAATGGGAACTGGGATGGGGCTTGGGATGAAAGTC						
clone-379-RS2 (577)		CGAGAAGCGACACCGCTTGCAAGGAAATGGGAACTGGGATGGGGCTTGGGATGAAAGTC						
clone 379-R8 (484)		CGAGAAGCGACACCGCTTGCAAGGAAATGGGAACTGGGATGGGGCTTGGGATGAAAGTC						
clone-379-RS3 (484)		CGAGAAGCGACACCGCTTGCAAGGAAATGGGAACTGGGATGGGGCTTGGGATGAAAGTC						
clone-379 R4 (343)		CGAGAAGCGACACCGCTTGCAAGGAAATGGGAACTGGGATGGGGCTTGGGATGAAAGTC						
clone-379-R5 (343)		CGAGAAGCGACACCGCTTGCAAGGAAATGGGAACTGGGATGGGGCTTGGGATGAAAGTC						
clone-379-R2 (343)		CGAGAAGCGACACCGCTTGCAAGGAAATGGGAACTGGGATGGGGCTTGGGATGAAAGTC						
clone-379-RS7 (343)		CGAGAAGCGACACCGCTTGCAAGGAAATGGGAACTGGGATGGGGCTTGGGATGAAAGTC						
clone-379-RS4 (343)		CGAGAAGCGACACCGCTTGCAAGGAAATGGGAACTGGGATGGGGCTTGGGATGAAAGTC						
	(641)	641	650	660	670	680	690	Section 11 704
hCT7238 ORF (637)		CGAGAAGCGACACCGCTTGCAAGGAAATGGGAACTGGGATGGGGCTTGGGATGAAAGTC						
sgrs0379-stop (641)		CGAGAAGCGACACCGCTTGCAAGGAAATGGGAACTGGGATGGGGCTTGGGATGAAAGTC						
clone-379-R6 (641)		CGAGAAGCGACACCGCTTGCAAGGAAATGGGAACTGGGATGGGGCTTGGGATGAAAGTC						
clone 379-R7 (641)		CGAGAAGCGACACCGCTTGCAAGGAAATGGGAACTGGGATGGGGCTTGGGATGAAAGTC						
clone-379-R3 (641)		CGAGAAGCGACACCGCTTGCAAGGAAATGGGAACTGGGATGGGGCTTGGGATGAAAGTC						
clone-379-RS2 (641)		CGAGAAGCGACACCGCTTGCAAGGAAATGGGAACTGGGATGGGGCTTGGGATGAAAGTC						
clone 379-R8 (548)		CGAGAAGCGACACCGCTTGCAAGGAAATGGGAACTGGGATGGGGCTTGGGATGAAAGTC						
clone-379-RS3 (548)		CGAGAAGCGACACCGCTTGCAAGGAAATGGGAACTGGGATGGGGCTTGGGATGAAAGTC						
clone-379 R4 (407)		CGAGAAGCGACACCGCTTGCAAGGAAATGGGAACTGGGATGGGGCTTGGGATGAAAGTC						
clone-379-R5 (407)		CGAGAAGCGACACCGCTTGCAAGGAAATGGGAACTGGGATGGGGCTTGGGATGAAAGTC						
clone-379-R2 (407)		CGAGAAGCGACACCGCTTGCAAGGAAATGGGAACTGGGATGGGGCTTGGGATGAAAGTC						
clone-379-RS7 (407)		CGAGAAGCGACACCGCTTGCAAGGAAATGGGAACTGGGATGGGGCTTGGGATGAAAGTC						
clone-379-RS4 (407)		CGAGAAGCGACACCGCTTGCAAGGAAATGGGAACTGGGATGGGGCTTGGGATGAAAGTC						
	(705)	705	710	720	730	740	750	Section 12 768
hCT7238 ORF (701)						GGGTGGGGACCGGGGAGCACCTGCCTGTAGCCCCC		
sgrs0379-stop (705)								
clone-379-R6 (705)								
clone 379-R7 (705)								
clone-379-R3 (705)								
clone-379-RS2 (705)								
clone 379-R8 (612)								
clone-379-RS3 (612)								
clone-379 R4 (471)								
clone-379-R5 (471)								
clone-379-R2 (471)								
clone-379-RS7 (471)								
clone-379-RS4 (471)								

FIG. 3D

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transcript alignment for novel isoforms of DKKL1

	(769)	769	780	790	800	810	823	Section 13
hCT7238 ORF	(765)	ATCAGACCCTGCCCAAGCACCATATGGAAATAAAGTTCTTACATCTAAC						
sgrs0379-stop	(734)	-	-	-	-	-	-	
clone-379-R6	(734)	-	-	-	-	-	-	
clone 379-R7	(734)	-	-	-	-	-	-	
clone-379-R3	(734)	-	-	-	-	-	-	
clone-379-RS2	(734)	-	-	-	-	-	-	
clone 379-R8	(641)	-	-	-	-	-	-	
clone-379-RS3	(641)	-	-	-	-	-	-	
clone-379 R4	(500)	-	-	-	-	-	-	
clone-379-R5	(500)	-	-	-	-	-	-	
clone-379-R2	(500)	-	-	-	-	-	-	
clone-379-RS7	(500)	-	-	-	-	-	-	
clone-379-RS4	(500)	-	-	-	-	-	-	

FIG. 3E

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protein alignment for novel isoforms of DKKL1

	(1)	1	10	20	30	48	Section 1
hCP35274.2	(1)	MQ8ASPPAFAKRLILVLLLEPLSLEVEPSDIAPIHDADAGTSRSGCIGI					
Translation of DKKL1-pending chris	(1)	MQ8ASPPAFAKRLILVLLLEPLSLEVEPSDIAPIHDADAGTSRSGCIGI					
Translation of clone 379-R6	(1)	MQ8ASPPAFAKRLILVLLLEPLSLEVEPSDIAPIHDADAGTSRSGCIGI					
Translation of clone 379-R7	(1)	MQ8ASPPAFAKRLILVLLLEPLSLEVEPSDIAPIHDADAGTSRSGCIGI					
Translation of clone-379-R3	(1)	MQ8ASPPAFAKRLILVLLLEPLSLEVEPSDIAPIHDADAGTSRSGCIGI					
Translation of clone-379-RS2	(1)	MQ8ASPPAFAKRLILVLLLEPLSLEVEPSDIAPIHDADAGTSRSGCIGI					
Translation of clone 379-R8	(1)	MQ8ASPPAFAKRLILVLLLEPLSLEVEPSDIAPIHDADAGTSRSGCIGI					
Translation of clone-379-RS3	(1)	MQ8ASPPAFAKRLILVLLLEPLSLEVEPSDIAPIHDADAGTSRSGCIGI					
Translation of clone-379 R4	(1)	MQ8ASPPAFAKRLILVLLLEPLSLEVEPSDIAPIHDADAGTSRSGCIGI					
Translation of clone-379-R5	(1)	MQ8ASPPAFAKRLILVLLLEPLSLEVEPSDIAPIHDADAGTSRSGCIGI					
Translation of clone-379-R2	(1)	MQ8ASPPAFAKRLILVLLLEPLSLEVEPSDIAPIHDADAGTSRSGCIGI					
Translation of clone-379-RS7	(1)	MQ8ASPPAFAKRLILVLLLEPLSLEVEPSDIAPIHDADAGTSRSGCIGI					
Translation of clone-379-RS4	(1)	MQ8ASPPAFAKRLILVLLLEPLSLEVEPSDIAPIHDADAGTSRSGCIGI					
	(49)	49	60	70	80	96	Section 2
hCP35274.2	(49)	DNKKTGEVLISENVVASIQPAEGSFEGLDK					
Translation of DKKL1-pending chris	(49)	DNKKTGEVLISENVVASIQPAEGSFEGLDK					
Translation of clone 379-R6	(49)	DNKKTGEVLISENVVASIQPAEGSFEGLDK					
Translation of clone 379-R7	(49)	DNKKTGEVLISENVVASIQPAEGSFEGLDK					
Translation of clone-379-R3	(49)	DNKKTGEVLISENVVASIQPAEGSFEGLDK					
Translation of clone-379-RS2	(49)	DNKKTGEVLISENVVASIQPAEGSFEGLDK					
Translation of clone 379-R8	(49)	DNKKTGEVLISENVVASIQPAEGSFEGLDK					
Translation of clone-379-RS3	(49)	DNKKTGEVLISENVVASIQPAEGSFEGLDK					
Translation of clone-379 R4	(49)	DNKKTGEVLISENVVASIQPAEGSFEGLDK					
Translation of clone-379-R5	(49)	DNKKTGEVLISENVVASIQPAEGSFEGLDK					
Translation of clone-379-R2	(49)	DNKKTGEVLISENVVASIQPAEGSFEGLDK					
Translation of clone-379-RS7	(49)	DNKKTGEVLISENVVASIQPAEGSFEGLDK					
Translation of clone-379-RS4	(49)	DNKKTGEVLISENVVASIQPAEGSFEGLDK					
	(97)	97	110	120	130	144	Section 3
hCP35274.2	(97)	RTDNKTGEVLISENVVASIQPAEGSFEGLDK					
Translation of DKKL1-pending chris	(97)	RTDNKTGEVLISENVVASIQPAEGSFEGLDK					
Translation of clone 379-R6	(97)	RTDNKTGEVLISENVVASIQPAEGSFEGLDK					
Translation of clone 379-R7	(97)	RTDNKTGEVLISENVVASIQPAEGSFEGLDK					
Translation of clone-379-R3	(97)	RTDNKTGEVLISENVVASIQPAEGSFEGLDK					
Translation of clone-379-RS2	(97)	RTDNKTGEVLISENVVASIQPAEGSFEGLDK					
Translation of clone 379-R8	(97)	RTDNKTGEVLISENVVASIQPAEGSFEGLDK					
Translation of clone-379-RS3	(97)	RTDNKTGEVLISENVVASIQPAEGSFEGLDK					
Translation of clone-379 R4	(62)	-					
Translation of clone-379-R5	(62)	-					
Translation of clone-379-R2	(62)	-					
Translation of clone-379-RS7	(62)	-					
Translation of clone-379-RS4	(62)	-					

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FIG. 4A

protein alignment for novel isoforms of DKKL1

	(145)	145	150	160	170	180	192	Section 4
hCP35274.2 (145)	EKSALVPIQKATDSPHTRLPPVALWVHICDPRRSHQVAVLEGSHYVLS							
Translation of DKKL1-pending chris (145)	EKSALVPIQKATDSPHTRLPPVALWVHICDPRRSHQVAVLEGSHYVLS							
Translation of clone 379-R6 (145)	EKSALVPIQKATDSPHTRLPPVALWVHICDPRRSHQVAVLEGSHYVLS							
Translation of clone 379-R7 (145)	EKSALVPIQKATDSPHTRLPPVALWVHICDPRRSHQVAVLEGSHYVLS							
Translation of clone-379-R3 (145)	EKSALVPIQKATDSPHTRLPPVALWVHICDPRRSHQVAVLEGSHYVLS							
Translation of clone-379-RS2 (145)	EKSALVPIQKATDSPHTRLPPVALWVHICDPRRSHQVAVLEGSHYVLS							
Translation of clone 379-R8 (114)	EKSALVPIQKATDSPHTRLPPVALWVHICDPRRSHQVAVLEGSHYVLS							
Translation of clone-379-RS3 (114)	EKSALVPIQKATDSPHTRLPPVALWVHICDPRRSHQVAVLEGSHYVLS							
Translation of clone-379 R4 (67)	EKSALVPIQKATDSPHTRLPPVALWVHICDPRRSHQVAVLEGSHYVLS							
Translation of clone-379-R5 (67)	EKSALVPIQKATDSPHTRLPPVALWVHICDPRRSHQVAVLEGSHYVLS							
Translation of clone-379-R2 (67)	EKSALVPIQKATDSPHTRLPPVALWVHICDPRRSHQVAVLEGSHYVLS							
Translation of clone-379-RS7 (67)	EKSALVPIQKATDSPHTRLPPVALWVHICDPRRSHQVAVLEGSHYVLS							
Translation of clone-379-RS4 (67)	EKSALVPIQKATDSPHTRLPPVALWVHICDPRRSHQVAVLEGSHYVLS							
	(193)	193	200	210	220	230	240	Section 5
hCP35274.2 (193)	EKSALVPIQKATDSPHTRLPPVALWVHICDPRRSHQVAVLEGSHYVLS							
Translation of DKKL1-pending chris (193)	EKSALVPIQKATDSPHTRLPPVALWVHICDPRRSHQVAVLEGSHYVLS							
Translation of clone 379-R6 (193)	EKSALVPIQKATDSPHTRLPPVALWVHICDPRRSHQVAVLEGSHYVLS							
Translation of clone 379-R7 (193)	EKSALVPIQKATDSPHTRLPPVALWVHICDPRRSHQVAVLEGSHYVLS							
Translation of clone-379-R3 (193)	EKSALVPIQKATDSPHTRLPPVALWVHICDPRRSHQVAVLEGSHYVLS							
Translation of clone-379-RS2 (193)	EKSALVPIQKATDSPHTRLPPVALWVHICDPRRSHQVAVLEGSHYVLS							
Translation of clone 379-R8 (162)	EKSALVPIQKATDSPHTRLPPVALWVHICDPRRSHQVAVLEGSHYVLS							
Translation of clone-379-RS3 (162)	EKSALVPIQKATDSPHTRLPPVALWVHICDPRRSHQVAVLEGSHYVLS							
Translation of clone-379 R4 (115)	EKSALVPIQKATDSPHTRLPPVALWVHICDPRRSHQVAVLEGSHYVLS							
Translation of clone-379-R5 (115)	EKSALVPIQKATDSPHTRLPPVALWVHICDPRRSHQVAVLEGSHYVLS							
Translation of clone-379-R2 (115)	EKSALVPIQKATDSPHTRLPPVALWVHICDPRRSHQVAVLEGSHYVLS							
Translation of clone-379-RS7 (115)	EKSALVPIQKATDSPHTRLPPVALWVHICDPRRSHQVAVLEGSHYVLS							
Translation of clone-379-RS4 (115)	EKSALVPIQKATDSPHTRLPPVALWVHICDPRRSHQVAVLEGSHYVLS							
	(241)	241	248					Section 6
hCP35274.2 (241)	EKSALVPIQKATDSPHTRLPPVALWVHICDPRRSHQVAVLEGSHYVLS							
Translation of DKKL1-pending chris (241)	EKSALVPIQKATDSPHTRLPPVALWVHICDPRRSHQVAVLEGSHYVLS							
Translation of clone 379-R6 (241)	EKSALVPIQKATDSPHTRLPPVALWVHICDPRRSHQVAVLEGSHYVLS							
Translation of clone 379-R7 (241)	EKSALVPIQKATDSPHTRLPPVALWVHICDPRRSHQVAVLEGSHYVLS							
Translation of clone-379-R3 (241)	EKSALVPIQKATDSPHTRLPPVALWVHICDPRRSHQVAVLEGSHYVLS							
Translation of clone-379-RS2 (241)	EKSALVPIQKATDSPHTRLPPVALWVHICDPRRSHQVAVLEGSHYVLS							
Translation of clone 379-R8 (210)	EKSALVPIQKATDSPHTRLPPVALWVHICDPRRSHQVAVLEGSHYVLS							
Translation of clone-379-RS3 (210)	EKSALVPIQKATDSPHTRLPPVALWVHICDPRRSHQVAVLEGSHYVLS							
Translation of clone 379 R4 (163)	EKSALVPIQKATDSPHTRLPPVALWVHICDPRRSHQVAVLEGSHYVLS							
Translation of clone-379-R5 (163)	EKSALVPIQKATDSPHTRLPPVALWVHICDPRRSHQVAVLEGSHYVLS							
Translation of clone-379-R2 (163)	EKSALVPIQKATDSPHTRLPPVALWVHICDPRRSHQVAVLEGSHYVLS							
Translation of clone-379-RS7 (163)	EKSALVPIQKATDSPHTRLPPVALWVHICDPRRSHQVAVLEGSHYVLS							
Translation of clone-379-RS4 (163)	EKSALVPIQKATDSPHTRLPPVALWVHICDPRRSHQVAVLEGSHYVLS							

FIG. 4B

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